

INVENTOR: FALBO, Michael G.
TITLE: SUPINE ERGOMETER LEG BRACE

CLAIMS

Having thus described the invention, what is claimed as new and desired to be secured by Letters Patent is as follows:

1. A supine bicycle echocardiography table that is tiltable about its longitudinal axis and having a crank and a pedal arm for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection about the bicycle pedal arm.

2. The table as claimed in claim 1 further comprising a strap for securing the leg to the support.

3. The table as claimed in claim 1 further comprising a pad covering the support.

4. A supine bicycle echocardiography table tiltable about its longitudinal axis and having a crank and a pedal for operating the bicycle portion, the table comprising a leg support having a first end for capturing a patient's leg and a second end for rotatable connection with the bicycle crank.

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1 5. The table as claimed in claim 4 further comprising a strap for securing
2 the leg to the support.

3 6. The table as claimed in claim 4 further comprising a pad covering the
4 support.

5 7. A leg holder for attachment to the bicycle crank assembly of a laterally
6 tiltable supine bicycle echocardiography table said leg holder following the movement
7 of the crank assembly as the bicycle is operated by a user comprising:

8 a support for attachment to the leg of a user,

9 a housing,

10 a bearing in said housing said bearing being connected to the

11 crank assembly for rotation with the crank assembly,

12 a receiver attached to said housing, and

13 a shaft having a first end and a second end, said first end

14 connected to said leg support and said shaft second end

15 connected to said receiver.

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1 8. Leg support for attachment to the bicycle crank of a laterally tiltable
2 supine bicycle echocardiography table comprising:

3 a leg pad,

4 a bearing rotatably attached to the crank, and

5 a support rod connecting said bearing to said pad.

6 9. The device as claimed in claim 8 further comprising a strap for securing
7 the leg to the pad.

8 10. A leg support for attachment to the crank of a laterally tiltable supine
9 bicycle echocardiography table comprising:

10 a leg pad,

11 a bearing comprising a housing said housing rotatably supporting the bicycle
12 pedal arm therein, and

13 a support rod connecting said bearing to said pad.

14 11. The device as claimed in claim 10 further comprising a strap for
15 securing the leg to the pad.

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1 12. A method of reducing the strain on the knee and hip joints of a patient on
2 a supine bicycle echocardiography table during the tilting of the table comprising the
3 steps of:

4 securing the leg of a patient to a support device to maintain a generally
5 perpendicular alignment between the patient's leg and the bicycle peddle; and
6 tilting the patient and table.

7 13. A method of reducing the strain on the knee and hip joints of a patient
while pedaling a bicycle of a supine bicycle echocardiography table during the tilting of
the table comprising the steps of:

 placing the foot of the patient on the pedal of the supine bicycle,
 attaching a first end of a support device to the leg of the patient,
 securing a second end of said support device to the crank assembly of the
 supine bicycle.